

# SEQUENCE LISTING

<110> St. George-Hyslop, Peter H.  
Rommens, Johanna  
Fraser, Paul E.

<120> Alzheimer's Related Proteins and Methods  
of Use

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<140> 09/227,725

<141> 1999-01-08

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	Phe	Tyr	Ile																
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<400> 2

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Phe	Tyr	Ser	Val	Leu	Val	Gly	Lys	Ala	Ala	Ala	Thr	Gly	Ser	Gly	Asp
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Trp	Asn	Thr	Thr	Leu	Ala	Cys	Phe	Val	Ala	Ile	Leu	Ile	Gly	Leu	Cys
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Leu	Thr	Leu	Leu	Leu	Leu	Ala	Val	Phe	Lys	Lys	Ala	Leu	Pro	Ala	Leu
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Pro	Ile	Ser	Ile	Thr	Phe	Gly	Leu	Ile	Phe	Tyr	Phe	Ser	Thr	Asp	Asn
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<220>

<221> UNSURE

<222> (115)

<223> Xaa can be any amino acid

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Phe	His	Leu	Pro	Asp	Ala	Pro	Pro	Ala	Ala	Ala	Ala	Ala	Ala	Leu	Tyr
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Gln	Ser	Pro	Ser	Arg	Leu	Ala	Lys	Ser	Tyr	Ser	Thr	Ser	Ser	Pro	Ile
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Met	Leu	Gln	His	Gln	Phe	Pro	Ser	Val	Gln	Ser	Asn	Ala	Ala	Ala	Tyr
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Arg	Glu	Cys	Asp	Gly	Leu	Thr	Asp	Ala	Leu	Leu	Tyr	Val	Ile	Gln	Ser	
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Ala	Leu	Gly	Ser	Ser	Glu	Ile	Asp	Ser	Lys	Thr	Val	Glu	Asn	Cys	Val	
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Cys	Ile	Leu	Arg	Asn	Leu	Ser	Tyr	Arg	Leu	Ala	Ala	Glu	Thr	Ser	Gln	
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Gly	Gln	His	Met	Gly	Thr	Asp	Glu	Leu	Asp	Gly	Leu	Leu	Cys	Gly	Glu	
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Lys	Lys	Lys	Lys	Ser	Gln	Asp	Gln	Trp	Asp	Gly	Val	Gly	Pro	Leu	Pro	
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Lys	Glu	Leu	Ile	Gly	Lys	Tyr	Ala	Met	Arg	Asp	Leu	Val	His	Arg	Leu	
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Asn	Met	Glu	Asn	Ala	Lys	Ala	Leu	Arg	Asp	Ala	Gly	Gly	Ile	Glu	Lys	
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Val	Asp	Phe	Tyr	Ser	Ala	Ala	Arg	Pro	Tyr	Ser	Glu	Leu	Asn	Tyr	Glu
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<400> 4

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Thr	Ala	Thr	Thr	Ile	Leu	Ala	Ser	Val	Lys	Glu	Gln	Glu	Leu	Gln	Phe
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Gln	Arg	Leu	Thr	Arg	Glu	Leu	Glu	Val	Glu	Arg	Gln	Ile	Val	Ala	Ser
	50					55					60				
Gln	Leu	Glu	Arg	Cys	Arg	Leu	Gly	Ala	Glu	Ser	Pro	Ser	Ile	Ala	Ser
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Thr	Ser	Ser	Thr	Glu	Lys	Ser	Phe	Pro	Trp	Arg	Ser	Thr	Asp	Val	Pro
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Asn	Thr	Gly	Val	Ser	Lys	Pro	Arg	Val	Ser	Asp	Ala	Val	Gln	Pro	Asn
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Asn	Tyr	Leu	Ile	Arg	Thr	Glu	Pro	Glu	Gln	Gly	Thr	Leu	Tyr	Ser	Pro
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Glu	Gln	Thr	Ser	Leu	His	Glu	Ser	Glu	Gly	Ser	Leu	Gly	Asn	Ser	Arg
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Ser	Ser	Thr	Gln	Met	Asn	Ser	Tyr	Ser	Asp	Ser	Gly	Tyr	Gln	Glu	Ala
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Cys	Ser	Phe	His	Asn	Ser	Gln	Asn	Val	Ser	Lys	Ala	Asp	Asn	Arg	Gln	
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Met	Arg	Arg	Val	Ser	Ser	Val	Pro	Ser	Arg	Ala	Gln	Ser	Pro	Ser	Tyr	
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Val	Ile	Ser	Thr	Gly	Val	Ser	Pro	Ser	Arg	Gly	Ser	Leu	Arg	Thr	Ser	
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Asn	Pro	Ser	Ala	Tyr	Ser	Ser	Thr	Thr	Leu	Pro	Ala	Ala	Arg	Ala	Ala	
			260					265					270			
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Gln	Tyr	Asp	Ile	Tyr	Glu	Arg	Met	Val	Pro	Pro	Arg	Pro	Asp	Ser	Leu	
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Thr	Cys	Leu	Arg	Ser	Ser	Tyr	Ala	Ser	Gln	His	Ser	Gln	Leu	Gly	Gln	
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Asp	Ile	Arg	Ser	Ala	Val	Ser	Pro	Asp	Leu	His	Ile	Thr	Pro	Ile	Tyr	
			405					410						415		
Glu	Cys	Arg	Thr	Tyr	Tyr	Tyr	Ser	Pro	Val	Tyr	Arg	Ser	Pro	Asn	His	
		420					425						430			
Cys	Ile	Val	Glu	Leu	Gln	Gly	Ser	Gln	Thr	Ala	Leu	Tyr	Arg	Thr	Cys	
		435					440					445				
Val	Glu	Gly	Ile	Gly	Asn	Leu	Gln	Arg	Thr	Ser	Ser	Gln	Arg	Ser	Thr	
	450				455						460					
Leu	Thr	Tyr	Gln	Arg	Asn	Asn	Tyr	Ala	Leu	Asn	Thr	Thr	Ala	Thr	Tyr	
465				470						475					480	
Ala	Glu	Pro	Tyr	Arg	Pro	Ile	Gln	Tyr	Arg	Val	Gln	Glu	Cys	Asn	Tyr	
			485					490						495		
Asn	Arg	Leu	Gln	His	Ala	Val	Pro	Ala	Asp	Asp	Gly	Thr	Thr	Arg	Ser	
		500						505					510			
Pro	Ser	Ile	Asp	Ser	Ile	Gln	Lys	Asp	Pro	Arg	Glu	Phe	Ala	Trp	Arg	
	515						520					525				
Asp	Pro	Glu	Leu	Pro	Glu	Val	Ile	His	Met	Leu	Glu	His	Gln	Phe	Phe	
	530				535						540					
Ser	Val	Gln	Ala	Asn	Ala	Ala	Ala	Tyr	Leu	Gln	His	Ile	Cys	Phe	Gly	
545				550						555					560	
Asp	Asn	Lys	Val	Lys	Met	Glu	Val	Cys	Arg	Leu	Cys	Gly	Ile	Lys	His	
			565					570						575		
Leu	Val	Asp	Leu	Leu	Asp	His	Arg	Val	Leu	Glu	Val	Gln	Lys	Asn	Ala	
		580						585					590			

Cys	Gly	Ala	Leu	Arg	Asn	Leu	Val	Phe	Gly	Lys	Ser	Thr	Asp	Glu	Asn	
		595					600					605				
Lys	Ile	Ala	Met	Lys	Asn	Val	Gly	Gly	Ile	Phe	Ala	Leu	Leu	Arg	Ile	
	610					615					620					
Ile	Arg	Lys	Ser	Ile	Asp	Ala	Glu	Val	Arg	Glu	Ile	Val	Thr	Gly	Val	
625					630					635					640	
Leu	Trp	Asn	Leu	Ser	Ser	Cys	Asp	Ala	Val	Lys	Met	Thr	Ile	Ile	Arg	
				645					650						655	
Asp	Ala	Leu	Ser	Thr	Leu	Thr	Asn	Thr	Val	Ile	Val	Pro	His	Ser	Cys	
			660					665					670			
Trp	Asn	Asn	Ser	Ser	Phe	Asp	Asp	Asp	His	Lys	Ile	Lys	Phe	Gln	Thr	
		675				680						685				
Ser	Leu	Val	Leu	Arg	Asn	Thr	Thr	Gly	Cys	Leu	Arg	Asn	Leu	Thr	Ser	
	690					695					700					
Ala	Gly	Glu	Phe	Ala	Arg	Lys	Gln	Met	Arg	Ser	Cys	Glu	Gly	Leu	Val	
705					710					715					720	
Asp	Ser	Leu	Leu	Tyr	Val	Ile	His	Thr	Cys	Val	Asn	Thr	Ser	Asp	Tyr	
				725					730					735		
Asp	Ser	Lys	Thr	Val	Glu	Asn	Cys	Val	Cys	Thr	Leu	Arg	Asn	Leu	Ser	
			740					745					750			
Tyr	Arg	Leu	Glu	Leu	Glu	Val	Pro	Gln	Ala	Arg	Leu	Leu	Gly	Leu	Asn	
		755				760						765				
Glu	Leu	Asp	Asp	Leu	Leu	Gly	Lys	Glu	Ser	Pro	Ser	Lys	Asp	Ser	Glu	
	770					775					780					
Pro	Ser	Cys	Trp	Gly	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Arg	Thr	Pro	Gln	
785					790						795				800	
Pro	Gln	Glu	Asp	Gln	Trp	Asp	Cys	Val	Gly	Pro	Ile	Pro	Gly	Leu	Ser	
				805					810					815		
Lys	Ser	Pro	Lys	Gly	Val	Glu	Met	Leu	Trp	His	Pro	Ser	Val	Val	Lys	
			820					825					830			
Pro	Tyr	Leu	Thr	Leu	Leu	Ala	Glu	Ser	Ser	Asn	Pro	Ala	Thr	Leu	Glu	
		835				840						845				
Cys	Ser	Ala	Cys	Ser	Leu	Gln	Asn	Leu	Ser	Ala	Ser	Asn	Trp	Lys	Phe	
	850					855					860					
Ala	Ala	Tyr	Ile	Arg	Gly	Gly	Arg	Pro	Lys	Arg	Lys	Cys	Leu	Pro	Ile	
865					870					875					880	
Leu	Val	Glu	Leu	Leu	Arg	Met	Asp	Asn	Asp	Arg	Val	Val	Ser	Ser	Cys	
				885					890						895	
Ala	Thr	Ala	Leu	Arg	Asn	Met	Ala	Leu	Asp	Val	Asn	Lys	Glu	Leu	Ile	
			900					905					910			
Cys	Lys	Tyr	Ala	Met	Arg	Asp	Leu	Val	Asn	Arg	Leu	Pro	Cys	Cys	Asn	
		915					920					925				
Gly	Pro	Ser	Val	Leu	Ser	Asp	Glu	Thr	Met	Ala	Ala	Ile	Cys	Cys	Ala	
	930					935					940					
Leu	His	Glu	Val	Thr	Ser	Lys	Asn	Met	Glu	Asn	Ala	Lys	Ala	Leu	Ala	
945					950					955					960	
Asp	Ser	Gly	Gly	Ile	Glu	Lys	Leu	Val	Asn	Ile	Thr	Lys	Gly	Arg	Gly	
				965					970					975		
Asp	Arg	Ser	Ser	Leu	Lys	Val	Val	Lys	Ala	Ala	Ala	Gln	Val	Leu	Asn	
			980					985					990			
Thr	Leu	Trp	Gln	Tyr	Arg	Asp	Leu	Arg	Ser	Ile	Tyr	Lys	Lys	Asp	Gly	
		995					1000					1005				
Trp	Asn	His	Pro	Ile	Thr	Pro	Val	Ser	Thr	Leu	Glu	Arg	Asp	Arg	Phe	
	1010					1015						1020				



Lys	Ser	His	Pro	Ser	Leu	Ser	Thr	Thr	Asn	Gln	Gln	Met	Ser	Pro	Ile	1025	1030	1035	1040
Ile	Gln	Ser	Val	Gly	Ser	Thr	Ser	Ser	Ser	Pro	Ala	Leu	Leu	Gly	Ile	1045	1050	1055	
Arg	Asp	Pro	Arg	Ser	Glu	Tyr	Asp	Arg	Thr	Gln	Pro	Pro	Met	Gln	Tyr	1060	1065	1070	
Tyr	Asn	Ser	Gln	Gly	Asp	Ala	Thr	His	Lys	Gly	Leu	Tyr	Pro	Gly	Ser	1075	1080	1085	
Ser	Lys	Pro	Ser	Pro	Ile	Tyr	Ile	Ser	Ser	Tyr	Ser	Ser	Pro	Ala	Arg	1090	1095	1100	
Glu	Gln	Asn	Arg	Arg	Leu	Gln	His	Gln	Gln	Leu	Tyr	Tyr	Ser	Gln	Asp	1105	1110	1115	1120
Asp	Ser	Asn	Arg	Lys	Asn	Phe	Asp	Ala	Tyr	Arg	Leu	Tyr	Leu	Gln	Ser	1125	1130	1135	
Pro	His	Ser	Tyr	Glu	Asp	Pro	Tyr	Phe	Asp	Asp	Arg	Val	His	Phe	Pro	1140	1145	1150	
Ala	Ser	Thr	Asp	Tyr	Ser	Thr	Gln	Tyr	Gly	Leu	Lys	Ser	Thr	Thr	Asn	1155	1160	1165	
Tyr	Val	Asp	Phe	Tyr	Ser	Thr	Lys	Arg	Pro	Ser	Tyr	Arg	Ala	Glu	Gln	1170	1175	1180	
Tyr	Pro	Gly	Ser	Pro	Asp	Ser	Trp	Val								1185	1190		